

WHAT IS CLAIMED IS:

- 1 1. A connector, comprising:
  - 2 a first connector housing, comprising a first flexible arm member
  - 3 formed with a hole;
  - 4 a second connector housing, comprising a projection adapted to be
  - 5 engaged with the hole in a case where the second connector housing is fitted
  - 6 with the first connector housing in a first direction; and
  - 7 a fitting detection member, attached with the first connector housing
  - 8 such that the first connector housing is movable in the first direction between a
  - 9 first position and a second position, the fitting detection member comprising a
  - 10 second flexible arm member adapted to be engaged with the first flexible arm
  - 11 member to retain the first connector housing at the first position, wherein:
    - 12 the engagement between the first flexible arm member and the
    - 13 second flexible arm member is released to allow the first connector housing to
    - 14 move to the second position, in a case where the first flexible arm member is
    - 15 flexed when the first connector housing is placed at the first position; and
    - 16 the engagement between the projection and the hole is released only
    - 17 in a case where the first flexible arm member is flexed when the first connector
    - 18 housing is placed at the second position.
- 1 2. The connector as set forth in claim 1, wherein:
  - 2 a rib member is provided on the fitting detection member and adapted
  - 3 to be abutted against the first flexible arm member to restrict a flexible amount
  - 4 of the first flexible arm member such an extent that only the engagement

5       between the first flexible arm member and the second flexible arm member, in  
6       a case where the first connector housing is placed at the first position; and

7               the first flexible arm member is formed with a recess adapted to  
8       receive the rib member to enlarge the flexible amount of the first flexible  
9       member only in a case where the first connector housing is placed at the  
10      second position.